

What is claimed is:

- Sub B1
1. A cervical brace comprising:
a chest plate adapted to be secured to the thorax of a wearer; and
a chin strut including means for attachment to said chest plate and adapted for extension to a point on a chin support of a cervical collar adapted to be disposed adjacent a wearer's chin.
 2. The cervical brace of claim 1, wherein said chest plate comprises a vest.
 3. The cervical brace of claim 2, wherein said vest comprises a chest plate and a back plate.
 4. The cervical brace of claim 1, wherein said chin strut extends in a straight line from the chest plate to the chin support.
 5. The cervical brace of claim 1, wherein the chin support is adjustable relative to the chest plate.
 6. The cervical collar of claim 5, wherein adjustability is provided due to attachment of said chin support and said chest plate using hook-and-loop fasteners.
 7. The cervical brace of claim 1, further comprising:
a back plate;
an occipital support; and
a rear strut extending between said occipital support and said back plate.
 8. The cervical brace of claim 7 further including straps for securing said back plate to said chest plate.
 9. The cervical brace of claim 7 wherein said rear strut is adjustable and further comprises a strut lock.

10001451-102001

Sub B1

FOOTEST

10. The cervical brace of claim 9 wherein said strut lock comprises an eccentric lever for locking one end of said rear strut to a bracket affixed to said back plate.
11. A cervical brace comprising:
a cervical collar having front and rear portions, wherein said rear portion comprises an occipital support;
a vest comprising a front plate and a back plate; and
a rear strut extending between said occipital support and said back plate.
12. The brace of claim 11, further comprising a rear strut latch, whereby the relative position of said rear strut may be adjusted both angularly and vertically.
13. The brace of claim 12, further comprising a latch and latch housing disposed on said rear portion.
14. The brace of claim 13, wherein said latch and latch housing comprise an eccentric element that moves into and out of engagement with a locking mechanism, whereby the angle of the rear strut relative to the rear portion may be adjusted.
15. The brace of claim 13, wherein said latch housing comprises one or more receiving elements that engage the latch to adjust the relative distance between the cervical collar and the vest.
16. The brace of claim 15, wherein said latch housing and said latch comprise corresponding serrated surfaces that move into and out of engagement upon rotation of said latch relative to said housing.
17. The brace of claim 11, further comprising a head strap extending from said occipital support.

Sub B1
18. The brace of claim 11, wherein said latch housing comprises one or more extensions and the vest comprises one or more locking slots, whereby said extensions and said locking slots engage said rear strut with said vest.

19. A method of supporting one of the cervical spine or upper thoracic spine of an injured patient comprising:

attaching a cervical collar to the patient;

attaching a chin strut from an edge of the cervical collar adjacent the chin of the patient to a chest plate and adjusting the relative position of the head by selecting a relative position between the chin strut and the chest plate; and

attaching the chest plate to the patient's thorax.

20. The method of claim 19, further comprising:

attaching an occipital support to the patient;

attaching a rear strut to the occipital support;

attaching a back plate to the patient; and

adjusting the rear strut and locking the rear strut to the back plate.

21. A cervical brace comprising:

a cervical collar having front and rear portions, wherein said rear portion comprises an occipital support;

a vest comprising a front plate and a back plate;

means for attaching said front plate to said back plate;

means for attaching said collar and vest; and

a head strap extending from said occipital support.

22. A cervical brace comprising:

a cervical collar having front and rear portions, wherein said rear portion comprises an occipital support;

a vest comprising a front plate and a back plate means for attaching said front plate to said back plate; and

10001451-102301

Pub B1
a rear strut extending from said back plate to said rear portion.

23. The cervical brace of claim 22 wherein said rear strut includes means for independently adjusting the height and angle of attachment of said rear strut to said back plate.

24. A cervical brace comprising:

a cervical collar having front and rear portions, wherein said rear portion comprises an occipital support;

a vest comprising a front plate and a back plate, and means for attachment of said front plate to said front portion, wherein said back plate is free from attachment to said rear portion.

25. A cervical brace comprising:

a cervical collar having front and rear portions, wherein said rear portion comprises an occipital support;

a vest comprising a front plate and a back plate; and

means for attachment of said collar to said vest, wherein said front plate comprises a lower plate slidably and lockably engaged to an upper plate to thereby allow adjustment of the height of said front plate.

10001451-102301